

Plutonium Finishing Plant Project

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Legacy Holdup Removal Activities



*Radiation Dose Rate Measurement
Of HA-9A Glovebox, 234-5Z*



*Inspection in the 232-Z
Process Room*



OVERVIEW

The Plutonium Finishing Plant (PFP) Project is responsible for work in Project Baseline Summary RL-CP03, *Plutonium Finishing Plant*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of July 2003.

NOTABLE ACCOMPLISHMENTS

Maintain Safe and Secure Special Nuclear Material

Successfully completed the third International Atomic Energy Agency material swap on July 17, 2003.

Stabilization of Nuclear Materials

Metals, Alloys, Oxides and Polycubes: Two hundred twenty-three oxide items were processed during the reporting period. As of July 28, 2003, 2,094 oxide items have been processed under the fiscal year (FY) 2003 work scope, which is 163 items under the fiscal-year-to-date goal.

Residues: The repackaging of Group 2 alloys was completed on June 27, 2003. After glovebox cleanup, repackaging of the <10% low assay oxide/mixed oxide (MOX) was resumed. The recalibration of the room 170 segmented gamma scan assay system was approved and was authorized for both the Waste Isolation Pilot Plant and Safeguards measurements.

Outer Can Packaging: Forty-four 3013 containers were produced during July. A total of 732 3013 containers have been produced during this fiscal year, which is 77 containers behind the baseline.

Disposition of Nuclear Materials

Thirty-five containers of low level, transuranic (TRU)/TRU mixed, hazardous, recycled and seven pipe overpack containers (POCs) of waste were shipped to the Central Waste Complex. The second set of 104 9975 containers were received from Rocky Flats Environmental Technology Site.

Disposition PFP Facility

Decontamination and Decommissioning (D&D) Crosscut: The Legacy Holdup Removal Plan was submitted on June 30, 2003, as scheduled, to RL for approval.

NOTABLE ACCOMPLISHMENTS, CONTINUED

Transition 232-Z Facility: On July 23, 2003, RL reviewed the 232-Z Readiness Assessment Plan of Action and delegated start up approval authority back to the FH Vice President for the PFP facility.

Transition 234-5Z Facility: A mockup glovebox has been installed in 2101-M in 200 East. The current plan is to run workers through an orientation on power tool usage prior to glovebox deployment. Legacy holdup removal activities have begun in glovebox HC-9B with the sweeping down of the box.

Transition 236-Z Facility: Planning for an alternative study has been initiated to select technology for use in the Plutonium Reclamation Facility Canyon. A workshop is planned and will include subject matter experts across the Site as well as some nationally recognized experts in the fields of D&D and robotics.

Transition 241-Z: The "certified" Resource Conservation and Recovery Act of 1976 Closure Plan was submitted to RL on June 26, 2003. RL transmitted it to State of Washington Department of Ecology (Ecology) on July 25, 2003, to meet the July 31, 2003, Tri-Party Agreement (TPA) M83-30 milestone for RL submission to Ecology.

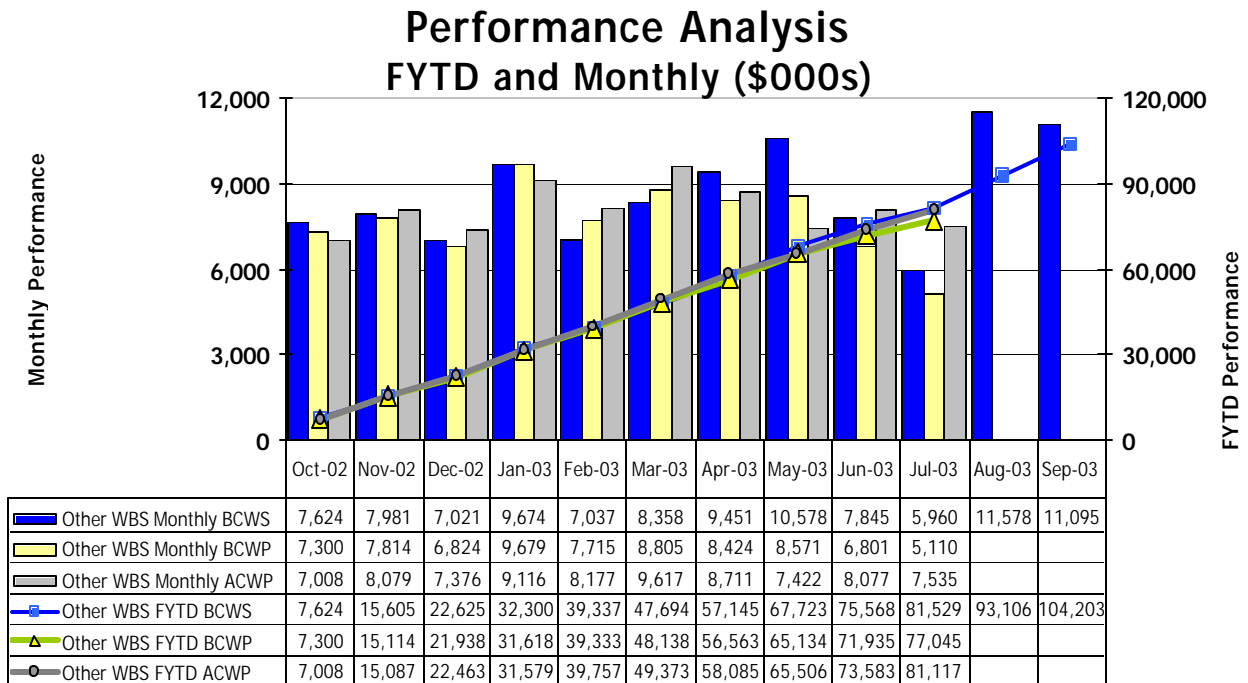
FY 2003 SCHEDULE/COST PERFORMANCE (\$000)

Schedule Variance (-\$4,484K/-6%): The negative variance is primarily attributed to delayed procurement of POCs, deferral of the 2736-ZB Vault Complex documented safety analysis (DSA), and late start of the PFP complex engineering evaluation/cost analysis (EE/CA). The following corrective action is planned: Procurement of POCs has been initiated and POCs will be received on a schedule to support packaging of MOX. Around \$1.5M of the schedule variance will be recovered by year end, but approximately \$3M (including the PFP complex EE/CA and the vault DSA work scope) is projected to be carried over into next year.

Cost Variance (-\$4,072K/-5%): The negative variance is primarily attributed to the unplanned labor costs for the high chloride oxides stabilization and underestimating personnel dosimetry costs, Hanford Environmental Health Foundation medical, selected sub-contract and labor rate increases. These negative variance(s) will continue through the balance of the fiscal year.

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-CP03 Plutonium Finishing Plant	81,529	77,045	81,117	-4,484	-6%	-4,072	-5%	104,203

FY 2003 Schedule/Cost Performance, continued



MILESTONE ACHIEVEMENT

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comments
TRP-02-501	Complete Stabilization and Packaging of Polycubes	DNFSB	3/31/03	2/28/03		Complete
TRP-03-501	Submit Facility End Point Criteria Document to Ecology	TPA	9/30/03			On Schedule Submitted to RL 6/27/03
TRP-03-503	Submit to Ecology a PFP Residual Chemical Hazards Assessment	TPA	12/31/02	12/27/02		Complete
TRP-03-504	Submit Closure Plan for 241-Z Waste Treatment Facility TSD Unit to Ecology	TPA	7/31/03	7/25/03		Complete
TRP-04-506	Completion of all Pu Stabilization & Packaging	PI	2/18/04			On Schedule
TRP-04-508	Complete Repackaging of PFP Residues and Ship to CWC	TPA	4/30/04			On Schedule
TRP-05-501	Discontinue Waste Discharges from the 241-Z Tanks to Tank Farms	TPA	6/30/05			On Schedule
TRP-05-503	Special Nuclear Material Transferred to Savannah River Site of DOE Approved Interim Storage	PI	9/30/05			On Schedule
TRP-05-504	Legacy Pu Holdup Removed & Dispositioned	PI	9/30/05			On Schedule
TRP-06-501	Complete 100% of Legacy Pu Holdup Removal & Disposition	TPA	9/30/06			On Schedule
TRP-06-502	Complete Transition & Dismantlement of the 232-Z Bldg Incinerator	TPA	9/30/06			On Schedule
TRP-06-503	Protected Area Eliminated	PI	12/31/05			On Schedule
TRP-06-507	PFP Facilities (61 Buildings) Ready For Demolition	PI	9/30/06			On Schedule

FY 2003 FH FUNDS VS FORECAST (\$000)

	Expected Funds	Spend Forecast	Variance
RL-CP03 Plutonium Finishing Plant			
Project Completion - Operating	\$ 107,412	\$ 107,070	\$ 342

ISSUES

Shipment of the first 3013 containers to the Savannah River Site (SRS): PFP continues working with DOE (RL, HQ and SRS) to resolve and complete all activities needed to make the first shipment of material from PFP to SRS.